

CLAIMS

1. A device comprising a gripping element (10) of an appliance door (11) which is provided to move relative to the appliance door (11) during a door movement of the appliance door (11), characterised in that the gripping element (10) is provided to adapt its movement to the movement of the hand of a user.
2. The device according to claim 1, characterised in that the gripping element (10) is provided to be movably mounted at least largely independently of a position of the appliance door (11).
3. The device according to any one of the preceding claims, characterised in that a stabilising unit (12) is provided for stabilising the gripping element (10) in at least one position.
4. The device according to claim 3, characterised in that the stabilising unit (12) is provided for stabilising the gripping element (10) in at least three positions.
5. The device at least according to claim 3, characterised in that the stabilising unit (12) comprises at least one locating unit (13).
6. The gripping element according to any one of the preceding claims, characterised in that the locating unit (13) comprises at least one ribbed partial area (14).
7. The device at least according to claim 3, characterised in that the stabilising unit (12) comprises a spring-loaded locating element (15).
8. The device at least according to claim 3, characterised in that the stabilising unit (12) is provided to stabilise the gripping element (10) in a plurality of locating positions.

9. The device according to any one of the preceding claims, characterised in that the gripping element (10) is provided to be mounted on the appliance door (11) so that it can pivot about a pivoting axis (16).
10. The device according to claim 5, characterised in that the pivoting axis (16) runs at least substantially parallel to a pivoting axis (18) of the appliance door (11).
11. The device according to any one of the preceding claims, characterised by means (17) for releasing the stabilising unit (12) in at least one position of the appliance door (11).
12. The device according to claim 11, characterised in that the means (17) is provided for releasing a locating connection during a closing movement of the appliance door (11).
13. The device according to any one of the preceding claims, characterised in that a restoring means (23) is provided to automatically move the gripping element (10) into a base position when the appliance door (11) is closed.
14. The device according to any one of the preceding claims, characterised in that the gripping element (10) comprises at least two independent degrees of freedom of movement (27, 28).
15. The device according to any one of the preceding claims, characterised by a sensor unit (24) for sensing a movement characteristic of the gripping element (10).
16. The device according to claim 15, characterised in that the sensor unit (24) comprises switching means (31) which can be switched by means of the gripping element (10).
17. The device according to any one of the preceding claims, characterised by a sensor unit (24) for sensing a user characteristic.
18. The device according to any one of claims 15-17, characterised by a control unit (30) provided for processing a signal of the sensor unit (24).

19. The device according to any one of the preceding claims, characterised by a drive element (26) for driving the movement of the gripping element (10).
20. The device according to any one of the preceding claims, characterised in that a damping element (26) is provided for damping a movement of the gripping element (10).